

What is claimed is:

1. A motherboard, comprising:

a printed circuit board;

a first memory slot set disposed on the printed circuit board having a first memory slot and a second memory slot;

a second memory slot set disposed on the printed circuit board having a third memory slot and a fourth memory slot; and

a terminator circuit module disposed between the first memory slot set and the second memory slot set, wherein the terminator circuit module is electrically connected to the first memory slot set and the second memory slot set through the printed circuit board.

2. The motherboard as claimed in claim 1, wherein the terminator circuit module comprises a plurality of resistors and a plurality of capacitors, and the plurality of resistors and the plurality of capacitors are connected in series.

3. The motherboard as claimed in claim 2, wherein the plurality of resistors and the plurality of capacitors are electrically connected in series and alternately arranged.

4. A motherboard, comprising:

a circuit board;

a chipset disposed on the circuit board;

4 a first memory slot set disposed on the circuit
5 board having a first memory slot and a second
6 memory slot;
7 a second memory slot set disposed on the circuit
8 board having a third memory slot and a fourth
9 memory slot;
10 a terminal resistor disposed between the first
11 memory slot set and the second memory slot set;
12 and
13 a serial resistance disposed between the chipset and
14 the first and the second memory slot sets,
15 wherein the terminal resistor is electrically
16 connected to the first memory slot set and the
17 second memory slot set through the circuit
18 board, and the terminal resistor, the first
19 memory slot set and the second memory slot set
20 are connected to a terminator voltage.

1 5. The motherboard as claimed in claim 4, further
2 comprising a plurality of capacitors, wherein the
3 terminal resistor and the plurality of capacitors are
4 alternately arranged.

1 6. A slot apparatus for a memory module on a
2 printed circuit board, comprising:

3 a first memory slot set disposed on the printed
4 circuit board having a first memory slot and a
5 second memory slot;
6 a second memory slot set disposed on the printed
7 circuit board having a third memory slot and a
8 fourth memory slot;

9 a terminal resistor disposed between the first
10 memory slot set and the second memory slot set;
11 and
12 a serial resistance disposed on the printed circuit
13 board and electrically connected to the first
14 memory slot set and the second memory slot set
15 through the printed circuit board, wherein the
16 terminal resistor is respectively and
17 electrically connected to the first memory slot
18 set and the second memory slot set through the
19 printed circuit board, and the terminal
20 resistor, the first memory slot set and the
21 second memory slot set are connected to a
22 terminator voltage.

1 7. The slot apparatus for a memory module as
2 claimed in claim 6, further comprising a plurality of
3 capacitors, wherein the terminal resistor and the
4 plurality of capacitors are alternately arranged.

1 8. The slot apparatus for a memory module as
2 claimed in claim 6, wherein the printed circuit board is
3 a motherboard.

5 9. The slot apparatus for a memory module as
claimed in claim 8, further comprising a chipset disposed
on the printed circuit board, wherein the serial
resistance disposed between the chipset and the first and
the second memory slot sets.